

Amendments to Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (previously presented): A gene expression modulation system comprising:

- a) a first gene expression cassette that is capable of being expressed in a host cell comprising a polynucleotide encoding a first polypeptide comprising:
 - i) a DNA-binding domain that recognizes a response element associated with a gene whose expression is to be modulated;
 - ii) a ligand binding domain comprising a ligand binding domain from a nuclear receptor;
- b) a second gene expression cassette that is capable of being expressed in the host cell comprising a polynucleotide encoding a second polypeptide comprising:
 - i) a transactivation domain; and
 - ii) a ligand binding domain comprising a ligand binding domain from a nuclear receptor other than ultraspiracle (USP),

wherein the ligand binding domains from the first polypeptide and the second polypeptide are different.

Claim 2 (original): The gene expression modulation system according to claim 1, further comprising a third gene expression cassette comprising:

- i) a response element to which the DNA-binding domain of the first polypeptide binds;
- ii) a promoter that is activated by the transactivation domain of the second polypeptide; and
- iii) the gene whose expression is to be modulated.

Claim 3 (original): The gene expression modulation system according to claim 1, wherein the ligand binding domain of the first polypeptide is an ecdysone receptor polypeptide.

Claim 4 (original): The gene expression modulation system according to claim 1, wherein the ligand binding domain of the second polypeptide is a retinoid X receptor polypeptide.

Claim 5 (original): A gene expression modulation system comprising:

- a) a first gene expression cassette that is capable of being expressed in a host cell comprising a polynucleotide encoding a first polypeptide comprising:
 - i) a DNA-binding domain that recognizes a response element associated with a gene whose expression is to be modulated; and

- ii) a ligand binding domain comprising a ligand binding domain from an ecdysone receptor; and
- b) a second gene expression cassette that is capable of being expressed in the host cell comprising a polynucleotide encoding a second polypeptide comprising:
 - i) a transactivation domain; and
 - ii) a ligand binding domain comprising a ligand binding domain from a retinoid X receptor.

Claim 6 (original): The gene expression modulation system according to claim 5, further comprising a third gene expression cassette comprising:

- i) a response element to which the DNA-binding domain of the first polypeptide binds;
- ii) a promoter that is activated by the transactivation domain of the second polypeptide; and
- iii) the gene whose expression is to be modulated.

Claim 7 (previously presented): The gene expression modulation system according to claim 5, wherein the ligand binding domain of the first polypeptide is encoded by a polynucleotide comprising a nucleic acid sequence of SEQ ID NO: 3.

Claim 8 (cancelled)

Claim 9 (cancelled)

Claim 10 (cancelled)

Claim 11 (original): A gene expression modulation system comprising:

- a) a first gene expression cassette that is capable of being expressed in a host cell comprising a polynucleotide encoding a first polypeptide comprising:
 - i) a DNA-binding domain that recognizes a response element associated with a gene whose expression is to be modulated; and
 - ii) a ligand binding domain comprising a ligand binding domain from a retinoid X receptor; and
- b) a second gene expression cassette that is capable of being expressed in the host cell comprising a polynucleotide encoding a second polypeptide comprising:
 - i) a transactivation domain; and
 - ii) a ligand binding domain comprising a ligand binding domain from an ecdysone receptor.

Claim 12 (original): The gene expression modulation system according to claim 11, further comprising a third gene expression cassette comprising:

- i) a response element to which the DNA-binding domain of the first polypeptide binds;
- ii) a promoter that is activated by the transactivation domain of the second polypeptide; and
- iii) the gene whose expression is to be modulated.

Claim 13 (cancelled)

Claim 14 (cancelled)

Claim 15 (previously presented): The gene expression modulation system according to claim 11, wherein the ligand binding domain of the second polypeptide is encoded by a polynucleotide comprising a nucleic acid sequence of SEQ ID NO: 3.

Claim 16 (cancelled)

Claim 17 (cancelled)

Claim 18 (cancelled)

Claim 19 (cancelled)

Claim 20 (cancelled)

Claim 21 (cancelled)

Claim 22 (cancelled)

Claim 23 (cancelled)

Claim 24 (cancelled)

Claim 25 (cancelled)

Claim 26 (cancelled)

Claim 27 (cancelled)

Claim 28 (cancelled)

Claim 29 (cancelled)

Claim 30 (cancelled)

Claim 31 (cancelled)

Claim 32 (cancelled)

Claim 33 (cancelled)

Claim 34 (cancelled)

Claim 35 (cancelled)

Claim 36 (cancelled)